

Chemical Bonding

By the End of this Unit...

Know	Understand & Be able to...	Self Quiz
Vocabulary	Concepts to be covered in your notes	
Electron dot diagram Ion Anion Cation Chemical bond Ionic bond Chemical formula Crystals Covalent bond Molecule Polar covalent bond Polyatomic ion <u>1 VC Activity due at the end of the Unit</u>	Section 1: Ionic Bonding <ul style="list-style-type: none"> Recognize stable electron configurations Predict an element's chemical properties using number of valence electrons and electron dot diagram Describe how an ionic bond forms Explain how ionization energy affects ionic bonds Predict the composition of an ionic compound from its chemical formula Section 2: Covalent Bonding <ul style="list-style-type: none"> Describe how covalent bonds form and the attractions that keep atoms together in molecules Compare polar and nonpolar bonds Compare the attractions between polar and nonpolar bonds Section 3: Naming Compounds & Writing Formulas <ul style="list-style-type: none"> Write the Ionic Formula from the name Write the name of an Ionic compound from the formula Write the Covalent formula from the compound name Write the name of a covalent compound from the formula 	